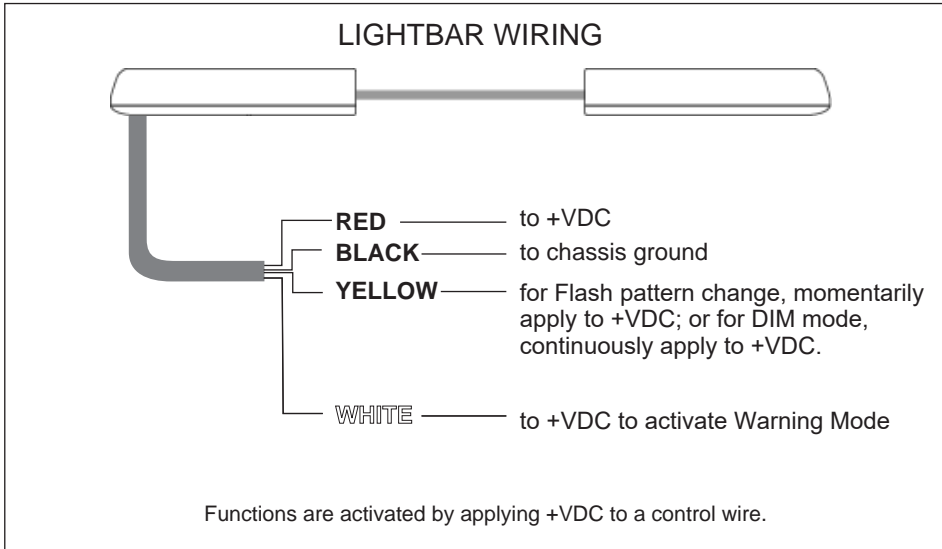# Operation Manual   LF

WIRING & FUNCTIONS (AC/AE)

Different applications require different functions. It is highly recommended to determine and configure the required functions prior to Installation; (refer to 'CONTROL WIRES' section).

LIGHTBAR WIRING

RED ——————— to +VDC
BLACK——————— to chassis ground
YELLOW——————— for Flash pattern change, momentarily apply to +VDC; or for DIM mode, continuously apply to +VDC.

WHITE ——————— to +VDC to activate Warning Mode

Functions are activated by applying +VDC to a control wire.

POWER WIRES
1. Route Power Cable to the vehicle firewall towards the battery.
2. Follow factory wiring harness through the firewall. It may be necessary to drill a hole in the firewall. Ensure that there are no components that could be damaged from the drilling.
3. Route the cable to the battery.
4. Install a fuse (user-supplied) on the end of **RED** wire, then connect to battery.
5. Connect **BLACK** wire to the factory chassis ground adjacent to the battery.

NOTE: make sure that all wires of power cable are securely connected to power source.

⚠ WARNING
DO NOT USE THE POWER WIRE(S) AS THE LIGHTBAR ACTIVATION SWITCH; USE ONLY THE FUNCTION WIRE(S) TO SWITCH AND ACTIVATE.
ENSURE THE POWER WIRE(S) ARE PROPERLY CONNECTED BEFORE ACTIVATING ANY FUNCTION WIRE(S).
MIS-CONNECTING THE WIRES AND SWITCH MAY CAUSE THE LIGHTBAR TO RESET TO ITS DEFAULT SETTING.

CONTROL WIRES

1. Route Control wires towards the dash area to a switch panel (user-supplied
2. Connect the required wires to the switch pane

WARNING MODE

Activate Warning Mode by applying **+VDC** to WHITE wire. There is a list of built-in flash patterns to choose from. While in Warning Mode, tap **+VDC** to **YELLOW** wire:

- Once for next pattern.
- Quickly 3 times for FP#1.

FP#	FLASH PATTERN	
1	Double (Corners)	[R65]**
2	Double (All)	[2Hz]
3	Double (Split)	[2Hz]
4	Quad (All)	[2Hz]
5	Quad (Split)	[2Hz]
6	Single (All)	[2Hz]
7	Single (Split)	[2Hz]

** Note: Actual approval based on model ordered.

DIM MODE

If desired, the bar can be switched to DIM Mode. While Warning Mode is activated, apply **+VDC** to **YELLOW** wire continuously to switch to DIM Mode. Simply remove **+VDC** from YELLOW wire to de-activate.